

AK

Notice of Allowability	Application No.	Applicant(s)	
	09/896,345	SOUMYANATH ET AL.	
	Examiner	Art Unit	
	Hai L. Nguyen	2816	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant's response letter filed on 3/22/2005.
2. ☒ The allowed claim(s) is/are 3,4,6,9,10,12,22 and 23.
3. ☒ The drawings filed on 24 September 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

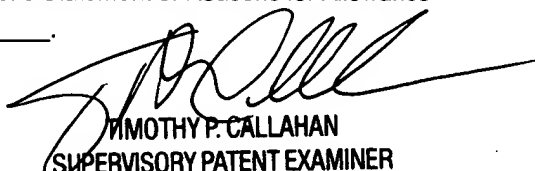
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |


 TIMOTHY P. CALLAHAN
 SUPERVISORY PATENT EXAMINER
 TECHNOLOGY CENTER 2800

Art Unit: 2816

DETAILED ACTION

Response to Argument

1. Applicant's response letter filed on 3/22/2005 has been received and entered in the case. Applicant's arguments with respect to the prior art rejections mailed on 11/17/2004 have been fully considered and found persuasive, as such; the prior art rejections have been withdrawn. Therefore the case is found to be in allowance condition for the reasons as set forth below.

EXAMINER'S AMENDMENT

2. Applicant's withdrawn without traverse of claims 13-21 is acknowledged. However, cancellation of those non-elected claims is needed. Therefore, Examiner's amendment for canceling of claims 13-21 is necessary as set forth below.

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to Applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

4. The application has been amended as follows:

In the claims

Claims 13-21 have been canceled.

REASON FOR ALLOWANCE

5. The following is an examiner's statement of reasons for allowance:

Art Unit: 2816

The prior art of record fails to disclose or fairly suggest specific structural limitations, and a method to provide an output voltage indicative of a local time-average maximum of an input signal voltage, as recited in claims 3 and 4, such as a field-effect-transistor (FET 502 in instant Fig. 5) having a gate, a first terminal (508), and a second terminal (512); wherein the gate and the first terminal are each connected to the input port (IN), and the second terminal is connected to the output port (510); wherein the FET has a device width, wherein the FET has a leakage current in excess of 1 micro ampere per micron of device width; and wherein the output voltage (OUT) is indicative of a local time-average maximum of the input signal voltage (IN). Since most of the references teach away from the leakage current because there is a wasteful power by leaky transistors, as it is not desirable. The leakage current, in excess of 1 micro ampere per micron of device width, will allow the output voltage tracking a time varying maximum or peak of an input signal even in a case that the voltage of the input signal decreases (see specification; page 3, line 17 through page 5, line 14).

Claims 6, 9, 10, and 12 are allowed for similar reasons; note the above discussion with regard to claims 3 and 4.

Conclusion


6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai L. Nguyen whose telephone number is 571-272-1747 and Right Fax number is 571-273-1747. The examiner can normally be reached on Monday-Thursday.

Art Unit: 2816

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Callahan can be reached on 571-272-1740. The official fax phone number for the organization where this application or proceeding is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-1562.

7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HLN 
June 12, 2005